

MARINE INSTRUMENT

ABSTRACT OF THE DISCLOSURE

A marine sensor device mounts in a single opening in a hull of a marine vessel. The sensor includes a housing secured in the opening. Positioned within the housing is a body containing at least two sensors. The body is removable from the housing. A magnetized paddlewheel can be disposed in a first cavity formed on a first half of the body, the paddlewheel has a plurality of paddles extending from a circular central hub and rotatably mounted on an axle extending transverse a fore and aft direction of travel of the vessel. A magnetic sensor can be located adjacent the paddles, the magnetic sensor senses the rotation of the paddles and provides speed indications. The magnetic sensor can be a Hall-effect device. A sonic transducer for depth detection can be disposed within a second cavity formed on a second half of the body. A thermal sensor for sensing water temperature can be disposed in a well formed in the body.